

A NEW SPECIES OF *HELINA* R. -D. FROM QINGHAI-XIZANG PLATEAU, CHINA (DIPTERA, MUSCIDAE)

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Abstract This paper describes one new species, i. e. *Helina altica* sp. nov. from Xizang, China. Type specimens are deposited in the Institute of Entomology, Shenyang Normal University.

Key words Muscidae, *Helina*, new species, Qinghai Xizang Plateau, China.

The genus *Helina* R. -D., 1830 belongs to Muscidae, Diptera. To date, more than 400 species were known in the world, 180 species of them were found in China. This paper reports a new species from Qinghai Xizang Plateau, i. e. *Helina altica* sp. nov. Type specimens are deposited in the Institute of Entomology, Shenyang Normal University.

Helina altica **sp. nov.** (Figs. 1-4)

Male. Body length 7.7 mm.

Head. Eyes with short and sparse cilia; frons width about 1.5 times of distance between outer margins of posterior ocelli, frontal vitta black, about 5-6 times of fronto-orbital plate, frontal setae 6-7, situated on lower 3/5, upper orbital setae absent, fronto-orbital plates, parafacials and genae with dense gray pollen, parafacial about 1.2 times as wide as flagellomere; antennae black, flagellomere about 2 times as long as broad, arista short plumose, the longest hair about 1/3 of flagellomere width; epistoma not projecting, vibrissal angle behind frontal angle; genae higher than 2/5 of eye height, the upper margin of genae with a row of upcurved setae, genae and metacephalon with black hairs; proboscis short, prementum with pruinose, palpi black, clubbed.

Thorax. Ground colour black with dark grayish brown pruinose, scutum with four dark longitudinal vittae, median pair not reaching to scutoscutellar suture; presutural *acr* untidy, 4 rows, posterior *acr* 1, *dc* 2+ 3, *ia* 0+ 2, *pra* strong, longer than posterior notopleural seta; notopleuron, underneath and lateral margin of scutellum bare; basisternum, proepisternum, anepimeron, katopimeron and meron bare;

katopisternal setae 2 2; spiracles dark brown.

Wing. Dark brown, tegula black, basicosta dark brown, costal spine conspicuous, veins Sc bow-like curving, node of Rs bare, vein R_{4+5} and M a little deviated from each other on apical part, crossvein *r-m* robust, crossvein *dm-cu* sinuous in middle, both *r-m* and *dm-cu* with conspicuous cloud; calypteres brown, the lower one projecting; halteres brownish yellow.

Legs. Black; fore tibia without median *p*; mid femur *av* row conspicuous on distal 1/3, *ad* row on basal 2/3, *pv* row complete, median ones long, mid tibia with 2 *p*; hind femur slightly swollen on distal part, with complete *ad* row, 10-11 strong comb-like *av* on distal half and *pv* row conspicuous on distal 1/4, hind tibia with 2 *ad* on median part, 1-2 *pd*, slender and long setae rows on *av* and *pv* surfaces.

Abdomen. Long oval, with dense brownish gray pollen; tergite 2 to 5 each with a pair of big subrectangular black patches, tergite 5 with a broad brown vitta; sternite 1 bare.

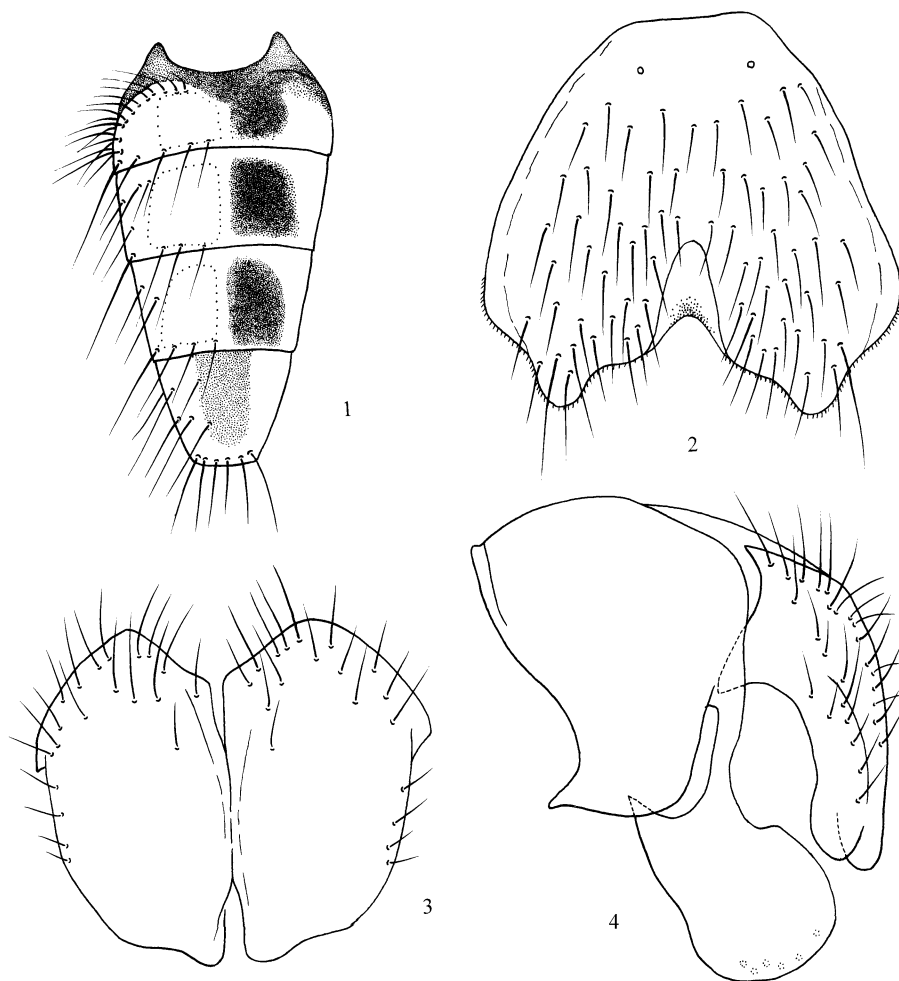
Female. Unknown.

Holotype ♂, China: Xizang Autonomous Region, Mainling County, Doxong La (29° 3' N, 95° 8' E; 3 600-4 200 m), 8 Aug. 2003, collected by WANG Ming-Fu. Paratypes 7 ♂ & ♀, same data as holotype.

Remarks. This new species resembles *H. celsa* (Harris, 1866), but the new species differs from the latter in having eyes with short and sparse cilia, frontal vitta about 5-6 times of the fronto-orbital plate, antennal flagellomere about 2 times as long as broad, *pra* longer than posterior notopleural seta; katopisternal setae 2: 2; fore tibia without *ad*, mid tibia with 2 *p*; hind tibia with 1-2 *pd*.

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Figs. 1-4 *Helina altica* sp. nov. 1. Abdomen, dorsal view. 2. Sternite 5, ventral view. 3. Terminalia, posterior view. 4. Terminalia, profile view.

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中国青藏高原阳蝇属一新种记述 (双翅目, 蝇科)

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摘 要 报道了中国青藏高原阳蝇属 1 新种, 模式标本存于沈阳师范大学昆虫研究所标本室。

高山阳蝇 *Helina altica* **sp. nov.** (图 1~ 4)

正模 ♂, 西藏多雄拉山, 海拔 3 600 4 200 m, 2003 08 08, 王明福采。副模 7 ♂♂, 采集地及时间同正模。

关键词 蝇科, 阳蝇属, 新种, 青藏高原, 中国.

中图分类号 Q969. 44

新种外形特征与高阳蝇 *H. celsa* (Harris, 1866) 相似, 但新种雄性复眼具短而疏的纤毛, 间额约为一侧额宽的 5~ 6 倍, 触角第 3 节长约为宽的 2 倍, 翅前鬃强大, 长于后背侧片鬃长度, 腹侧片鬃 2~ 2, 前胫无前背鬃, 中胫后鬃 2, 后胫后背鬃 1~ 2 等即可与之区别。